

# *Interference Search History*

## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(magnetic and medium and recording and nonmagnetic and lower and powder and binder and resin and upper and ferromagnetic and back and coat and concavities and subsequently and (dry or drying) and (curing or cure) and thickness and "0.003" and "0.30" and "5" and "1" and calendaring).CLM.	US-PGPUB; USPAT	OR	OFF	2006/07/05 15:04

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(magnetic and medium and recording and nonmagnetic and lower and powder and binder and resin and upper and ferromagnetic and back and coat and concavities and subsequently and (dry or drying) and (curing or cure) and thickness and "0.003" and "0.30" and "5" and "1" and calendaring).CLM.	US-PGPUB; USPAT	OR	OFF	2006/07/05 15:04
L2	177	(428/828 or 428/831 or 428/831.1 or 428/831.2 or 428/832 or 428/832.1 or 428/832.2).ccls. and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:22
L3	9072	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6)". ccls" and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:22
L4	1122	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6). ccls. and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:23
L5	2318	(I2 or I3 or I4) and "magnetic recording"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50
L6	292	I5 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:41
L7	21	I5 and (cure same ("non-magnetic" or nonmagnetic))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:51
L8	1	"20040209121"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:31
L9	442	(360/134 or 360/135).ccls. and binder	US-PGPUB; USPAT	OR	ON	2006/07/05 15:43
L10	83	I9 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:43
L11	165	(369/283 or 369/284 or 369/286).ccls. and binder	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50
L12	25	I11 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50
L13	210	(427/130 OR 427/131).CCLS. and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50
L14	159	L13 and binder	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50

## EAST Search History

L15	159	l14 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50
L16	156	L15 and "magnetic recording"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:50
L17	3	l16 and (cure same ("non-magnetic" or nonmagnetic))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:51
S1	1	("20040209121").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/27 22:28
S2	0	428/694\$ and binder and (thicknesssamemagnetic) and (thickness same ("0.03"or"0.30"))	USPAT	OR	OFF	2005/06/27 22:31
S3	0	428/694\$ and binder and (thickness same magnetic) and (thickness same ("0.03"or"0.30"))	USPAT	OR	OFF	2005/06/27 22:31
S4	590	428/694B\$ and binder and ((thickness or thick) same magnetic same layer)	US-PGPUB; USPAT	OR	ON	2005/07/12 17:43
S5	1	"20040038082"	US-PGPUB; USPAT	OR	OFF	2005/06/27 22:37
S6	1	"20040038082"	US-PGPUB	OR	OFF	2005/06/28 11:40
S7	1	"20050064250"	US-PGPUB; USPAT	OR	OFF	2005/06/28 14:54
S8	1	"20050019619"	US-PGPUB; USPAT	OR	OFF	2005/06/28 14:55
S9	1	"20050014035"	US-PGPUB; USPAT	OR	OFF	2005/06/28 15:00
S10	1	"20040048110"	US-PGPUB; USPAT	OR	OFF	2005/06/28 15:02
S11	1	"20040028958"	US-PGPUB; USPAT	OR	OFF	2005/06/28 15:02
S12	442	428/694B\$ and binder and ((thickness or thick) same magnetic same layer) and (roughness or "Ra")	US-PGPUB; USPAT	OR	ON	2005/06/28 17:46
S13	0	428/694B\$ and binder and "Yajima"	US-PGPUB; USPAT	OR	ON	2005/06/28 16:31
S14	0	428/694B\$ and "Yajima"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:19
S15	13	428/694B\$ and "Kuwajima"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:01
S16	11	428/694B\$ and "Seki"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:02
S17	10	S16 not S15	US-PGPUB; USPAT	OR	ON	2005/06/28 17:02
S18	62	428/694B\$ and "Yamada"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:43

## EAST Search History

S19	62	S18 not S16 not S15	US-PGPUB; USPAT	OR	ON	2005/06/28 17:20
S20	62	S18 not S16 not S15	US-PGPUB; USPAT	OR	ON	2005/06/28 17:20
S21	5	428/694B\$ and "Kitamura"	US-PGPUB; USPAT	OR	ON	2005/06/28 17:43
S22	5	S21 not S20	US-PGPUB; USPAT	OR	ON	2005/06/28 17:43
S23	5	428/694B\$ and concavit\$	US-PGPUB; USPAT	OR	ON	2005/07/12 21:20
S24	2	("magnetic recording" and binder and thickness and concavit\$ and rough\$). clm.	US-PGPUB; USPAT	OR	ON	2005/06/28 18:31
S25	1	"20030124397"	US-PGPUB; USPAT	OR	ON	2005/06/28 18:34
S26	1	"20040126626"	US-PGPUB; USPAT	OR	ON	2005/06/28 18:37
S27	1	"20020031688"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:32
S28	1	"20030072976"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:35
S29	1	"20040131896"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:37
S30	1	"20040096708"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:37
S31	1	"20040096708"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:48
S32	1	"20040048109"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:50
S33	1	"20040091752"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:51
S34	1	"20030194584"	US-PGPUB; USPAT	OR	ON	2005/06/28 19:56
S35	1	"20020022158"	US-PGPUB; USPAT	OR	ON	2005/06/28 20:30
S36	1	"20030068537"	US-PGPUB; USPAT	OR	ON	2005/06/28 20:32
S37	1	"20050123806"	US-PGPUB; USPAT	OR	ON	2005/06/28 20:32
S38	1	"11258011" or "11-258011" or "2001-1084549"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/07/12 16:22

## EAST Search History

S39	224	binder and (thickness or thick) and (magnetic same record\$) and (calendering or calender) and ((heat or heating) same (cure or curing))	US-PGPUB; USPAT	OR	ON	2005/07/12 17:47
S40	223	S39 and surface	US-PGPUB; USPAT	OR	ON	2005/07/12 17:47
S41	156	S40 and (surface with (smooth or smoothing))	US-PGPUB; USPAT	OR	ON	2005/07/12 18:29
S42	2	S41 and (concavities or concavity)	US-PGPUB; USPAT	OR	ON	2006/03/13 21:46
S43	147	S41 and ("428"/\$ or "360"/\$ or "369"/\$ or "427"/\$)	US-PGPUB; USPAT	OR	ON	2005/07/12 18:48
S44	147	S43 and binder	US-PGPUB; USPAT	OR	ON	2005/07/12 18:49
S46	101	S43 and ("surface roughness" or "Rv6")	US-PGPUB; USPAT	OR	ON	2005/07/12 20:09
S47	196	"I5" and ("surface roughness" or "Rv6")	US-PGPUB; USPAT	OR	ON	2005/07/12 20:14
S48	48	S47 and concav\$	US-PGPUB; USPAT	OR	ON	2005/07/12 21:44
S49	325	"482"/\$ and (fabric same cover\$)	US-PGPUB; USPAT	OR	ON	2005/07/12 20:20
S50	213	S49 and (rubber or resistance or latex)	US-PGPUB; USPAT	OR	ON	2005/07/12 20:37
S51	0	S50 not S49	US-PGPUB; USPAT	OR	ON	2005/07/12 20:37
S52	112	S49 not S50	US-PGPUB; USPAT	OR	ON	2005/07/12 20:37
S53	148	S47 not S48	US-PGPUB; USPAT	OR	ON	2005/07/12 21:10
S54	335	428/694B\$ and (nm with ("R" or roughness))	US-PGPUB; USPAT	OR	ON	2005/07/12 21:21
S55	373	428/694B\$ and (nm same ("R" or roughness))	US-PGPUB; USPAT	OR	ON	2005/07/14 19:14
S56	348	S55 and (nm same magnetic)	US-PGPUB; USPAT	OR	ON	2005/07/12 21:24
S57	325	S55 and (nm with magnetic)	US-PGPUB; USPAT	OR	ON	2005/07/12 21:24
S58	224	binder and (thickness or thick) and (magnetic same record\$) and (calendering or calender) and ((heat or heating) same (cure or curing))	US-PGPUB; USPAT	OR	ON	2005/07/12 22:11
S59	223	S58 and surface	US-PGPUB; USPAT	OR	ON	2005/07/12 21:37

## EAST Search History

S60	156	S59 and (surface with (smooth or smoothing))	US-PGPUB; USPAT	OR	ON	2005/07/12 22:10
S61	147	S60 and ("428"/\$ or "360"/\$ or "369"/\$ or "427"/\$)	US-PGPUB; USPAT	OR	ON	2005/07/12 22:09
S62	103	S61 and (roughness or "Rv6")	US-PGPUB; USPAT	OR	ON	2005/07/12 22:07
S63	1	"6875495"	US-PGPUB; USPAT	OR	ON	2005/07/12 21:44
S64	103	S62 and binder	US-PGPUB; USPAT	OR	ON	2005/07/22 15:41
S65	2	"09184930"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/07/13 15:57
S66	1	"09-184930"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/07/13 15:58
S67	1	"6890646"	USPAT	OR	OFF	2005/07/14 14:11
S68	146	428/694B\$ and (nm same ("R" or roughness)) and "recording wavelength"	US-PGPUB; USPAT	OR	ON	2005/07/14 19:16
S69	8	S68 and ("recording wavelength" same "0.6")	US-PGPUB; USPAT	OR	ON	2005/07/14 19:16
S70	2	"6576326"	US-PGPUB; USPAT	OR	OFF	2005/07/15 15:06
S71	6251	428/694\$	US-PGPUB; USPAT	OR	OFF	2005/07/15 15:13
S72	5276	428/694\$	USPAT	OR	OFF	2005/07/15 15:46
S73	0	"6905789"	USPAT	OR	OFF	2005/07/15 15:55
S74	257	428/195.1	USPAT	OR	OFF	2005/07/15 15:57
S75	1	"6627298"	USPAT	OR	OFF	2005/07/15 15:59
S76	1	"6911190"	USPAT	OR	OFF	2005/07/15 16:00
S77	1	"6911570"	USPAT	OR	OFF	2005/07/15 16:01
S78	1	"6911420"	USPAT	OR	OFF	2005/07/15 16:06
S79	1	"6906235"	USPAT	OR	OFF	2005/07/15 16:06
S80	7	"6194058"	USPAT	OR	OFF	2005/07/19 17:18
S81	0	S80 and concavities	USPAT	OR	ON	2005/07/19 17:19
S82	1	S80 and depth	USPAT	OR	ON	2005/07/19 17:21
S83	1	S80 and ("Ra" or "Rz" or "Rv6")	USPAT	OR	ON	2005/07/19 17:22
S84	0	S80 and calendar\$	USPAT	OR	ON	2005/07/19 17:22
S85	2	S80 and calender\$	USPAT	OR	ON	2005/07/19 21:30

## EAST Search History

S86	0	"6777061" and (concavities or concavity)	USPAT	OR	ON	2005/07/19 21:35
S87	0	"20040207955" and (concavities or concavity)	USPAT	OR	ON	2005/07/19 21:36
S88	1	"20040207955" and (concavities or concavity)	US-PGPUB; USPAT	OR	ON	2005/07/19 21:36
S89	1	"20040219392"	US-PGPUB; USPAT	OR	OFF	2005/07/20 12:14
S90	1	"6890646"	USPAT	OR	OFF	2005/07/22 13:59
S91	1	"6818298"	USPAT	OR	OFF	2005/07/22 13:59
S92	2732	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6) and binder	US-PGPUB; USPAT	OR	ON	2006/03/13 21:53
S93	1091	(427/130 or 427/131) and binder	US-PGPUB; USPAT	OR	ON	2005/07/22 15:44
S94	593	(360/134 or 360/135) and binder	US-PGPUB; USPAT	OR	ON	2006/07/05 15:41
S95	17	(S92 or S93 or S94) and (concavities or concavity)	US-PGPUB; USPAT	OR	ON	2005/07/22 15:44
S96	1	"6818298" or "2001084549"	USPAT	OR	OFF	2006/03/10 15:29
S97	1	"6818298" or "2001084549"	US-PGPUB; USPAT	OR	OFF	2006/03/10 15:29
S98	1	"6818298" or "20010084549"	US-PGPUB; USPAT	OR	OFF	2006/03/10 16:05
S99	1	"6875495"	US-PGPUB; USPAT	OR	OFF	2006/03/10 16:06
S100	1	"6777061"	US-PGPUB; USPAT	OR	OFF	2006/03/10 16:06
S101	232	binder and (thickness or thick) and (magnetic same record\$) and (calendering or calender) and ((heat or heating) same (cure or curing))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:46
S102	231	S101 and surface	US-PGPUB; USPAT	OR	ON	2006/03/13 21:46
S103	162	S102 and (surface with (smooth or smoothing))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:48
S104	2	S103 and (concavities or concavity) and "magnetic recording"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 21:46

## EAST Search History

S10 5	171	(428/828 or 428/831 or 428/831.1 or 428/831.2 or 428/832 or 428/832.1 or 428/832.2).ccls. and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:22
S10 6	8913	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6)". ccls" and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:22
S10 7	1104	(428/610 or 428/687 or 428/65.3 or 428/329 or 428/332 or 428/669B or 428/694BR or 428/839 or 428/839.6). ccls. and (surface with (smooth or smoothing or concav\$ or convex\$))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:23
S10 8	415	S107 and "magnetic recording"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:23
S10 9	138	S107 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/07/05 15:23
S11 0	99	S108 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/03/13 21:55
S11 1	5	S105 and solvent and "electron beam"	US-PGPUB; USPAT	OR	ON	2006/03/13 21:56
S11 2	234	(S105 or S110) and ("non-magnetic" or nonmagnetic)	US-PGPUB; USPAT	OR	ON	2006/03/13 21:57
S11 3	20	(S112) and ("electron beam" same ("non-magnetic" or nonmagnetic))	US-PGPUB; USPAT	OR	ON	2006/03/13 21:57
S11 4	3	(S112) and (cure same ("non-magnetic" or nonmagnetic))	US-PGPUB; USPAT	OR	ON	2006/07/05 15:24